

# इंटरनेट

# मानक

## Disclosure to Promote the Right To Information

Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

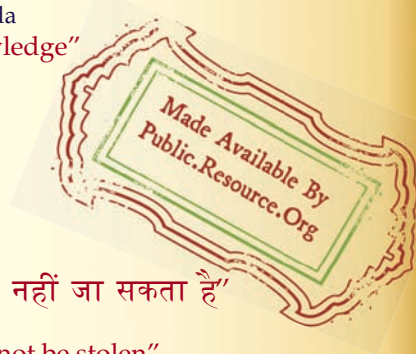
IS 10367 (1983): Dimensions for crystal and dial openings (shaped or circular) for watch cases [PGD 23: Horology]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”



BLANK PAGE





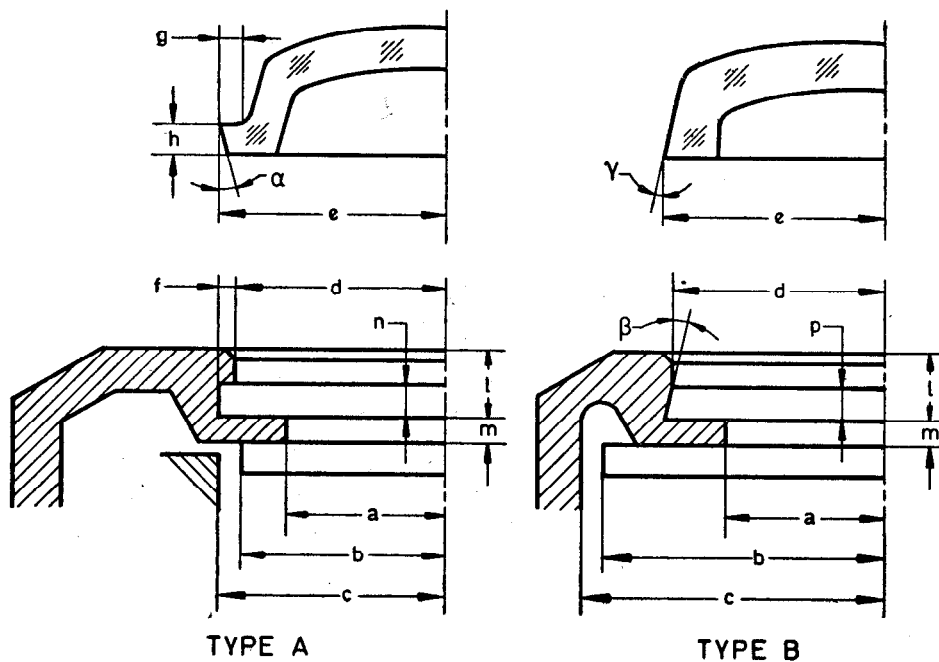
*Indian Standard*  
**DIMENSIONS FOR  
 CRYSTAL AND DIAL OPENINGS (SHAPED OR CIRCULAR)  
 FOR WATCH CASES**

**1. Scope** — Covers the terminology and dimensions relevant to crystal fitting in bezels of shaped or circular dial openings of the following types:

*Type A* Grooved type crystal seat in bezel.

*Type B* Undercut type crystal seat in bezel.

**2. Terminology** — see Fig. 1.



*a* — Dimension of dial opening  
*b* — Dimension of dial  
*c* — Dimension of dial seat  
*d* — Dimension of opening in bezel for crystal  
*e* — Fitting dimension of crystal  
*f* — Depth of groove for crystal seating  
*g* — Width of crystal flange  
*h* — Thickness of crystal flange

*l* — Height of crystal seating in bezel  
*m* — Thickness of crystal seating flange in bezel  
*n* — Width of groove for crystal seating  
*p* — Width of undercut for crystal seating  
 $\alpha$  — Crystal fitting angle in crystal  
 $\beta$  — Crystal seating angle in bezel  
 $\gamma$  — Bevel angle in crystal

FIG. 1

## 3. Dimensions ( see Fig. 1 )

All dimensions in millimetres.

<i>a</i>	Based on shape and size of dial opening
<i>b</i>	$a + 1.00 \text{ Min}$
<i>c</i>	$a + 1.40 \text{ Min}$
<i>d</i>	$a + 1.00 \text{ Min}$
<i>e</i> ( see Note 1 )	$d + 0.50 \text{ Min}$ for Type A $d + 0.20 \text{ Min}$ for Type B
<i>f</i>	$0.20 \text{ Min}$
<i>g</i>	$0.40 \text{ Min}$
<i>h</i>	$0.40 \text{ Max}$
<i>l</i>	$0.80 \text{ Min}$ for $a$ less than or equal to $25.00$ $1.00 \text{ Min}$ for $a$ greater than $25.00$
<i>m</i>	$0.30 \text{ Min}$
<i>n</i>	$0.40 \text{ Min}$
<i>p</i>	$0.40 \text{ Min}$
$\alpha$	$2^\circ$ or $4^\circ$
$\beta$ ( see Notes 1 and 2 )	$20^\circ$
$\gamma$	$\beta - 5^\circ$ ( $2^\circ \text{ Min}$ )

**Note — 1** Dimension may be modified to suit the desired fit.**Note — 2** Crystal fixing cement may be employed for angles less than  $5^\circ$ .

## EXPLANATORY NOTE

This Standard is one of a series of Indian Standards relating to wrist watch cases. In the preparation of this standard assistance has been derived from NIHS 60-12 : 1966 Boites de forme — Profils du cran de glace. Normes De L'Industrie Horlogere Suisse.